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Dated November 14, 2006

Signature:

(Lynn L. Janelis)

Docket No.: 28646/42100  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:  
Hans J. Stauss et al.

Application No.: 10/581,773

Filed: June 6, 2006

Art Unit: Not Yet Assigned

For: THERAPEUTICALLY USEFUL  
MOLECULES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

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Dear Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 C.F.R. §1.97(b)(3)). Applicants submit herewith copies of non-patent literature in accordance with 37 C.F.R. §1.98(a)(2).

In accordance with 37 C.F.R. §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(a) exists. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to

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be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. §1.98 and the Examiner is respectfully requested to consider the listed references.

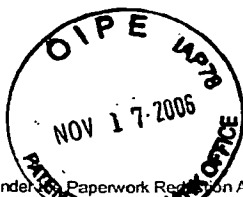
The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm except for the Issue Fee) to our Deposit Account No. 13-2855, under Order No. 28646/42100. A copy of this paper is enclosed.

Dated: November 14, 2006

Respectfully submitted,

By   
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			Application Number	10/581,773	
			Filing Date	June 6, 2006	
			First Named Inventor	Hans J. Stauss	
			Art Unit	Not Yet Assigned	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	3	Attorney Docket Number	28646/42100

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B1	WO 00/26249	05-11-2000	Imperial College Innovations Ltd. et al.		

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NON PATENT LITERATURE DOCUMENTS				
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	C1	BELLANTUONO et al., "Two Distinct HLA-A0201-Presented Epitopes of the Wilms Tumor Antigen 1 Can Function as Targets for Leukemia-Reactive CTL," Blood 100:3835-3837 (2002).		
	C2	BOULTER et al., "Stable, Soluble T-Cell Receptor Molecules for Crystallization and Therapeutics," Protein Eng. 16:707-711 (2003).		
	C3	CHUNG et al., "Functional Three-Domain Single-Chain T-Cell Receptors," Proc. Natl. Acad. Sci. USA 91:12654-12658 (1994).		
	C4	DUDLEY et al., "Cancer Regression and Autoimmunity in Patients After Clonal Repopulation with Antitumor Lymphocytes," Science 298:850-854 (2002).		
	C5	ENGELS et al., "Retroviral Vectors for High-Level Transgene Expression in T Lymphocytes," Human Gene Ther. 14:1155-1168 (2003).		
	C6	ESHAR et al., "Specific Activation and Targeting of Cytotoxic Lymphocytes Through Chimeric Single Chains Consisting of Antibody-Binding Domains and the $\gamma$ or $\zeta$ Subunits of the Immunoglobulin and T-Cell Receptors," Proc. Natl. Acad. Sci. USA 90:720-724 (1993).		
	C7	FINER et al., "kat: A High-Efficiency Retroviral Transduction System for Primary Human T Lymphocytes," Blood 83:43-50 (1994).		
	C8	GAO et al., "Selective Elimination of Leukemic CD34+ Progenitor Cells by Cytotoxic T Lymphocytes Specific for WT1," Blood 95:2198-2203 (2000).		
	C9	GAO et al., "Human Cytotoxic T Lymphocytes Specific for Wilms' Tumor Antigen-1 Inhibit Engraftment of Leukemia-Initiating Stem Cells in Non-Obese Diabetic-Severe Combined Immunodeficient Recipients," Transplantation 75:1429-1436 (2003).		
	C10	GARCIA et al., "Structural Basis of T Cell Recognition," Ann. Rev. Immunol. 17:369-397 (1999).		
	C11	HWU et al., "Lysis of Ovarian Cancer Cells by Human Lymphocytes Redirected with a Chimeric Gene Composed by an Antibody Variable Region and the Fc Receptor $\gamma$ Chain," J. Exp. Med. 178:361-366 (1993).		

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				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
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	C12	INOUE et al., "Long-Term Follow-Up of Minimal Residual Disease in Leukemia Patients by Monitoring WT1 (Wilms Tumor Gene) Expression Levels," Blood 88:2267-2278 (1996).	
	C13	INOUE et al., "Aberrant Overexpression of the Wilms Tumor Gene (WT1) in Human Leukemia," Blood 89:1405-1412 (1997).	
	C14	INOUE et al., "Wilms' Tumor Gene (WT1) Competes with Differentiation-Inducing Signal in Hematopoietic Progenitor Cells," Blood 91:2969-2976 (1998).	
	C15	CAST et al., "Eradication of Adenovirus E1-Induced Tumors by E1A-Specific Cytotoxic T Lymphocytes," Cell 59:603-614 (1989).	
	C16	KAWAKAMI et al., "Identification of a Human Melanoma Antigen Recognized by Tumor-Infiltrating Lymphocytes Associated with in vivo Tumor Rejection," Proc. Natl. Acad. Sci. USA 91:6458-6462 (1994).	
	C17	KESSELS et al., "Changing T Cell Specifically by Retroviral T Cell Receptor Display," Proc. Natl. Acad. Sci. USA 97:14578-14583 (2000).	
	C18	LEFRANC et al., "IMGT Unique Numbering for Immunoglobulin and T Cell Receptor Variable Domains and Ig Superfamily V-Like Domains," Dev. Comp. Immunol. 27:55-77 (2003).	
	C19	MENSSEN et al., "Wilms' Tumor Gene (WT1) Expression in Lung Cancer, Colon Cancer and Glioblastoma Cell Lines Compared to Freshly Isolated Tumor Specimens," J. Cancer Res. Clin. Oncol. 126:226-232 (2000).	
	C20	MENSSEN et al., "Presence of Wilms' Tumor Gene (WT1) Transcripts and the WT1 nuclear Protein in the Majority of Human Acute Leukemias," Leukemia 9:1060-1067 (1995).	
	C21	MENSSEN et al., "Detection by Monoclonal Antibodies of the Wilms' Tumor (WT1) Nuclear Protein in Patients with Acute Leukemia," Int. J. Cancer 70:518-523 (1997).	
	C22	MIYOSHI, "High Expression of Wilms' Tumor Suppressor Gene Predicts Poor Prognosis in Breast Cancer Patients," Clin. Cancer Res. 8:1167-1171 (2002).	
	C23	MORITZ et al., "Cytotoxic T Lymphocytes with a Grafted Recognition Specifically for ERBB2-Expressing Tumor Cells," Proc. Natl. Acad. Sci. USA 91:4318-4322 (1994).	
	C24	OGAWA et al., "Successful Donor Leukocyte Transfusion at Molecular Relapse for a Patient with Acute Myeloid Leukemia Who Was Treated with Allogeneic Bone Marrow Transplantation: Importance of the Monitoring of Minimal Residual Disease by WT1 Assay," Bone Marrow Transplantation 21:525-527 (1998).	
	C25	OJI et al., "Expression of the Wilms' Tumor Gene WT1 in Solid Tumors and Its Involvement in Tumor Cell Growth," Jpn J. Cancer Res. 90:194-204 (1999).	
	C26	OJI et al., "Overexpression of the Wilms' Tumor Gene WT1 in Head and Neck Squamous Cell Carcinoma," Cancer Sci. 94:523-529 (2003).	
	C27	OJI et al., "Overexpression of the Wilms' Tumor Gene WT1 in Primary Thyroid Cancer," Cancer Sci. 94:606-611 (2003).	
	C28	OJI et al., "Overexpression of the Wilms' Tumor Gene WT1 in Colorectal Adenocarcinoma," Cancer Sci. 94:712-717 (2003).	
	C29	ROBERTS et al., "Targeting of Human Immunodeficiency Virus-Infected Cells by CD8+ T Lymphocytes Armed with Universal T-Cell Receptors," Blood 84:2878-2889 (1994).	
	C30	RODECK et al., "Expression of the WT1 Wilms' Tumor Gene by Normal and Malignant Human Melanocytes," Int. J. Cancer 59:78-82 (1994).	
	C31	SILBERSTEIN et al., "Altered Expression of the WT1 Wilms Tumor Suppressor Gene in Human Breast Cancer," Proc. Natl. Acad. Sci. USA 94:8132-8137 (1997).	
	C32	STANISLAWSKI et al., "Circumventing Tolerance to a Human MDM2-Derived Tumor Antigen by TCR Gene Transfer," Nat. Immunol. 2:962-970 (2001).	

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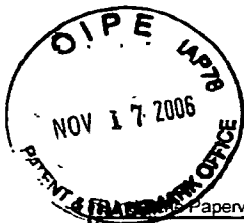
	C33	TAMAKI et al., "Increased Expression of Wilms Tumor Gene (WT1) at Relapse in Acute Leukemia," Blood 88:4396-4398 (1996).	
	C34	UEDA et al., "Overexpression of the Wilms' Tumor Gene WT1 in Human Bone and Soft-Tissue Sarcomas," Cancer Sci. 94:271-276 (2003).	
	C35	VIEL et al., "Molecular Mechanisms Possibly Affecting WT1 Function in Human Ovarian Tumors," Int. J. Cancer 57:515-521 (1994).	
	C36	XUE et al., "Elimination of Human Leukemia Cells in <i>NOD/SCID</i> Mice by <i>WT1-TCR</i> Gene-Transduced Human T Cells," Blood 106:3062-3067 (2005).	

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